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3 1. A method including

selecting tasks from a set thereof for running on a plurality of processors

each having access to a shared resource;

wherein each said task is associated with one of a plurality of scheduling domains; and

prohibiting more than one task associated with the same scheduling domain from running concurrently.

- 2. A method as in claim 1, including changing said association for at least one task from a first to a second scheduling domain.
- 3. A method as in claim 1, including selecting for running at least one task associated with a plurality of said scheduling domains.
- 4. A method as in claim 1, including selecting for running at least one task not associated with any one of said scheduling domains.

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5. A method including altering a program code base, said program code base defining a plurality of tasks and a set of data structures at least some of which are shared, to include implicit synchronization among said tasks to said data structures.

1	6. A method including, in response to a program code base defining a								
2	plurality of tasks and a set of data structures at least some of which are shared,								
3	altering said program code base to include program code or data associating								
4	each one of said tasks with one of a plurality of scheduling domains; and								
5	providing a scheduler that prohibits more than one task associated with the								
6	same scheduling domain from running concurrently.								
7									
8	7. A method as in claim 6, including altering said program code base to								
9	include instructions in at least one task changing said association from a first to a secon-								
	scheduling domain.								
112 112	8. A method as in claim 6, including altering said program code base to								
	include program code or data in at least one task associating said at least one task with a								
13 14 15	plurality of said scheduling domains.								
<u>⊩</u> 16	9. A method as in claim 6, including altering said program code base to								
17	include program code or data in at least one task associating said at least one task with not								
18	any one of said scheduling domains.								
19									
20	10. A method as in claim 6, wherein said scheduler includes a plurality								

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of runnable queues, one per scheduling domain.

1	11. A method including
2	running a plurality of tasks in a multiprocessor system; and
3	implicitly synchronizing those tasks with regard to a shared resource in said
4	system.
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6	12. A system including
7	a plurality of processors each having access to a shared resource;
8	a set of tasks each runnable on more than one of said processors, each said
9	task being associated with one of a plurality of scheduling domains; and
	each said processor including a scheduler that prohibits more than one task
	associated with the same scheduling domain from running concurrently.
i⊶ ≅13	13. A system as in claim 12, having at least one task including instruc-
13 14 4 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	tions to change said association from a first to a second scheduling domain.
16	14. A system as in claim 12, having at least one task runnable on more
17	than one of said processors and associated with a plurality of said scheduling domains.
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19	15. A system as in claim 12, having at least one task runnable on more
20	than one of said processors and not associated with any one of said scheduling domains.
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	16.	A system as in clain	ı 12,	wherein	said	scheduler	includes	a plui	rality
of runnable qu	ueues,	one per scheduling d	omai	n.					

17. A system including a program code base, said program code base defining a plurality of tasks and a set of data structures at least some of which are shared, said program code base including implicit synchronization among said tasks to said data structures.

18. A system including

means for altering a program code base, said program code base defining a plurality of tasks and a set of data structures at least some of which are shared, to include program code or data associating each one of said tasks with one of a plurality of scheduling domains; and

a scheduler that prohibits more than one task associated with the same scheduling domain from running concurrently.

19. A system as in claim 18, including means for altering said program code base to include instructions in at least one task changing said association from a first to a second scheduling domain.

- 20. A system as in claim 18, including means for altering said program code base to include program code or data in at least one task associating said at least one task with a plurality of said scheduling domains.
- 21. A system as in claim 18, including means for altering said program code base to include program code or data in at least one task associating said at least one task with not any one of said scheduling domains.
 - 22. A system as in claim 18, wherein said scheduler includes a plurality of runnable queues, one per scheduling domain.
 - 23. Implicit synchronization.
 - 24. Memory or mass storage including

instructions in a set of tasks each runnable on more than one of a plurality of processors each having access to a shared resource; and

program code or data associating each of said tasks with one of a plurality of scheduling domains.

25. Memory or mass storage as in claim 24, including instructions in a scheduler prohibiting more than one task associated with the same scheduling domain from running concurrently.

Memory or mass storage as in claim 24, including program code or 26. 1 data in at least one task associating said at least one task with a plurality of said schedul-2 ing domains. 3

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Memory or mass storage as in claim 24, including program code or 27. 5 data in at least one task associating said at least one task with not any one of said sched-6 uling domains. 7

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- Memory or mass storage as in claim 24, including instructions in at 28. least one task changing said association from a first to a second scheduling domain.
- Memory or mass storage as in claim 24, wherein said scheduler in-29. cludes a plurality of runnable queues, one per scheduling domain.